

In the Claims:

Claim 1:

1. (Currently Amended) A mobile intra-operative microscopic diagnosis laboratory capable of being utilized to analyze fresh tissue specimens and provide intra-operative consultation within 20 minutes comprising:

(a) means for transporting said laboratory;

[(b) means within said laboratory for freezing fresh tissue specimens;

(c) means within said laboratory for reading slides to make microscopic diagnosis;

(d) means within said laboratory for handling fresh tissue specimens;]

[(e)] (b) means within said laboratory for performing a first grossing step of measuring, describing and inking [indicating] various locations in fresh tissue specimens; [and]

[(f)] (c) means within said laboratory for performing a second dissecting step on said fresh tissue specimens[.];

(d) means within said laboratory of performing a third freezing step of said fresh tissue specimens;

(e) a microscope within said laboratory for performing a fourth microscopic diagnosis step of analyzing said dissected frozen fresh tissue specimens.

2. (Original) The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 further comprising means within said laboratory for communicating said microscopic diagnosis to an outside entity.

3. (Original) The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 2 wherein the means for communicating is an intercom system.
4. (Currently Amended) The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 further comprising means within said laboratory for histological staining said frozen and dissected fresh tissue specimen [after] before said specimen is [frozen] analyzed.
5. (Original) The Mobile Intra-Operative Microscopic Diagnosis laboratory of Claim 1 wherein said means for transporting said laboratory is a van.
6. Cancelled.
7. (Currently Amended) The Mobile Intra-Operative Microscopic Diagnosis Laboratory of Claim 1 wherein said means for performing the second freezing step [said fresh tissue specimens] is a cryostat.
8. Cancelled.
9. (Original) The Mobile Intra-Operative Microscopic Laboratory of Claim 1 wherein said means for dissecting is by cutting with a sharp instrument.
10. (Original) The Mobile Intra-Operative Microscopic Laboratory of Claim 1 further comprising means to dispose of contaminated materials.
11. (Currently Amended) A method for analyzing fresh tissue specimens and providing intra-operative consultation within twenty minutes comprising:
 - (a) first, transporting a mobile laboratory contained within a van powered by an engine to a location requiring intra-operative consultation;
 - [(a)] (b) second, accepting said fresh tissue specimens;

[(b)freezing said fresh tissue specimens within a mobile laboratory, said laboratory on wheels and capable of being moved from location to location each day;

(c) handling said fresh tissue specimens;

(d) indicating various locations on fresh tissue specimens;

(e) cutting said fresh tissue specimens.]

(c) third, measuring, describing, and inking said fresh tissue specimens at a grossing station;

(d) fourth, dissecting said fresh tissue specimens;

(e) fifth, freezing said fresh tissue specimens;

(f) sixth, examining said cut frozen fresh tissue specimens under a microscope;

(g) seventh, making a diagnosis of said dissected frozen fresh tissue specimens; and

(h) eighth, communicating said diagnosis.

12. (Original) The method of analyzing fresh tissue specimens of Claim 11 further comprising disposing of all fresh tissue specimens.

13. (Once Amended) The method of Claim 11 further comprising performing all operations under the regulations governed by the Clinical Laboratory Improvements Act of 1988, in effect as of April 8, 2004.

14. (Original) The method of Claim 11 further comprising identifying specimens and giving said specimen a specimen number.

15. (Original) The method of Claim 11 further comprising performing all operations within a mobile laboratory having air conditioning.

16. (Currently Amended) The method of Claim 11 further comprising providing a [separate] power source of air conditioning separate from said engine powering said van within said laboratory.

17. (New) A mobile intra-operative microscopic diagnosis laboratory capable of being utilized by a pathologist to analyze fresh tissue specimens and provide intra-operative consultation within twenty minutes comprising:

- (a) a van containing said laboratory for transporting said laboratory;
- (b) a countertop within said laboratory, suitable for performing grossing operations;
- (c) a chuck within said laboratory for holding said fresh tissue specimens;
- (d) a cryostat within said laboratory for placing said chuck in for freezing said fresh tissue specimen;
- (e) additional counter space within said laboratory for cutting said frozen fresh tissue samples specimens;
- (f) a microscope within said laboratory suitable for making a microscopic diagnosis on said frozen fresh tissue specimens;
- (g) lighting within said laboratory suitable for enabling a pathologist to analyze said frozen fresh tissue specimens;
- (h) roof vents within said van;
- (i) air conditioning units within said laboratory;
- (j) batteries within said van capable of powering said air conditioning units;

(k) a humidistat, barometer and thermometer within said laboratory for maintaining proper environmental conditions within said laboratory.

18. (New) A method for providing mobile intra-operative pathology consultation services to surgeons comprising:

(a) obtaining a mobile intra-operative diagnosis laboratory having facilities for performing grossing, freezing, cutting, staining and microscopic diagnosis of fresh tissue specimens;

(b) arranging to obtain fresh tissue specimens from said surgeons requiring intra-operative diagnosis;

(c) transporting said mobile laboratory to a position to receive said fresh tissue specimens;

(d) accepting said fresh tissue specimens;

(e) making a microscopic diagnosis of said fresh tissue specimens;

(f) communicating said diagnosis to said surgeons within twenty minutes of the time said fresh tissue specimens are accepted.

19. (New) A method for analyzing fresh tissue specimens obtained from surgeons [physicians] and providing mobile intra-operative consultation comprising:

(a) accepting said fresh tissue specimens;

(b) measuring, describing and inking said fresh tissue specimens at a grossing station;

(c) dissecting said fresh tissue specimens;

(d) placing said fresh tissue specimens on a chuck and placing said chuck within a cryostat;

- (e) freezing said fresh tissue specimens within said cryostat;
- (f) cutting said frozen fresh tissue specimens;
- (g) place said frozen fresh tissue specimens on a microscopic slide;
- (h) examining said frozen fresh tissue specimens under a microscope and making a diagnosis;
- (i) communicating the diagnosis of said fresh tissue specimens to said surgeons within twenty minutes of when said fresh tissue specimens are accepted;
- (j) providing all of the above steps within a mobile laboratory contained within a van and capable of being transported to various locations requiring intra-operative consultation services.